Thivagar Nadarajan
Software Developer

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EXPERIENCE

Software Developer (CO-OP) • Environment & Climate Change Canada • July 2020 – Present
- Worked with a team to design and build an application to view weather observation data across Canada; designed with **Balsamiq** and built with **Angular**
- Used **Java** & **JavaScript** to build an internal query tool to help other developers filter through millions of data payloads
- Conducted data validation & regression testing every release to identify any issues within components, using **Kibana** & **Logstash**

iOS Developer (Contract) • IT Collaborative Inc. • Dec 2020 – Feb 2021
- Used **SwiftUI** to build authentication, profile & settings screens for company iOS application
- Built application's backend with **Firebase** suite, incorporating **Node.js** Cloud Functions, Cloud Firestore and Security Rules
- Deployed multiple builds to **TestFlight** for internal testing

QA Software Developer (CO-OP) • Canadian Institutes of Health Research • Jan 2020 – April 2020
- Developed plugins to streamline the workflow of the Customer Relationship Management tool (CRM), using **JavaScript** & **C**
- Completed quality assurance testing on CRM prototype in order to retire legacy CRM software

PROJECTS

Teaforge Games • Oct 2020
- Designed, developed & deployed a website to play social deduction games; frontend built with **React** & **TypeScript**, backend built with **Socket.io**
- Utilized **Netlify** and **Heroku** to automate deployment for both frontend and backend

Node Royale • June 2020
- Developed and deployed a multiplayer 2D Battle Royale shooter; frontend built with **React** & **Canvas API**, backend built with **Express** & **WebSockets**

Anjalee Fine Arts • May 2020
- Worked closely with a local music school to build a website to promote them
- Number of students has increased by **15%** since creation of the website

Misc. iOS Applications • April 2020
- Built a loan tracker application using **Swift** & **SQLite3**
- Built a white noise application using **Swift**

EDUCATION

B.S.c. – Specialist in Computer Science • University of Toronto • Sept 2017 – Dec 2022

SKILLS

Languages – HTML, CSS/SCSS, Java, JavaScript/TypeScript, PHP, Python, C, Bash, SQL, Swift
Frameworks - React, Angular, Node.js, Bootstrap 4, jQuery, SwiftUI
Technologies - MongoDB, Firebase, Docker, SQLite3, Git, Heroku, Netlify, Balsamiq, Elasticsearch